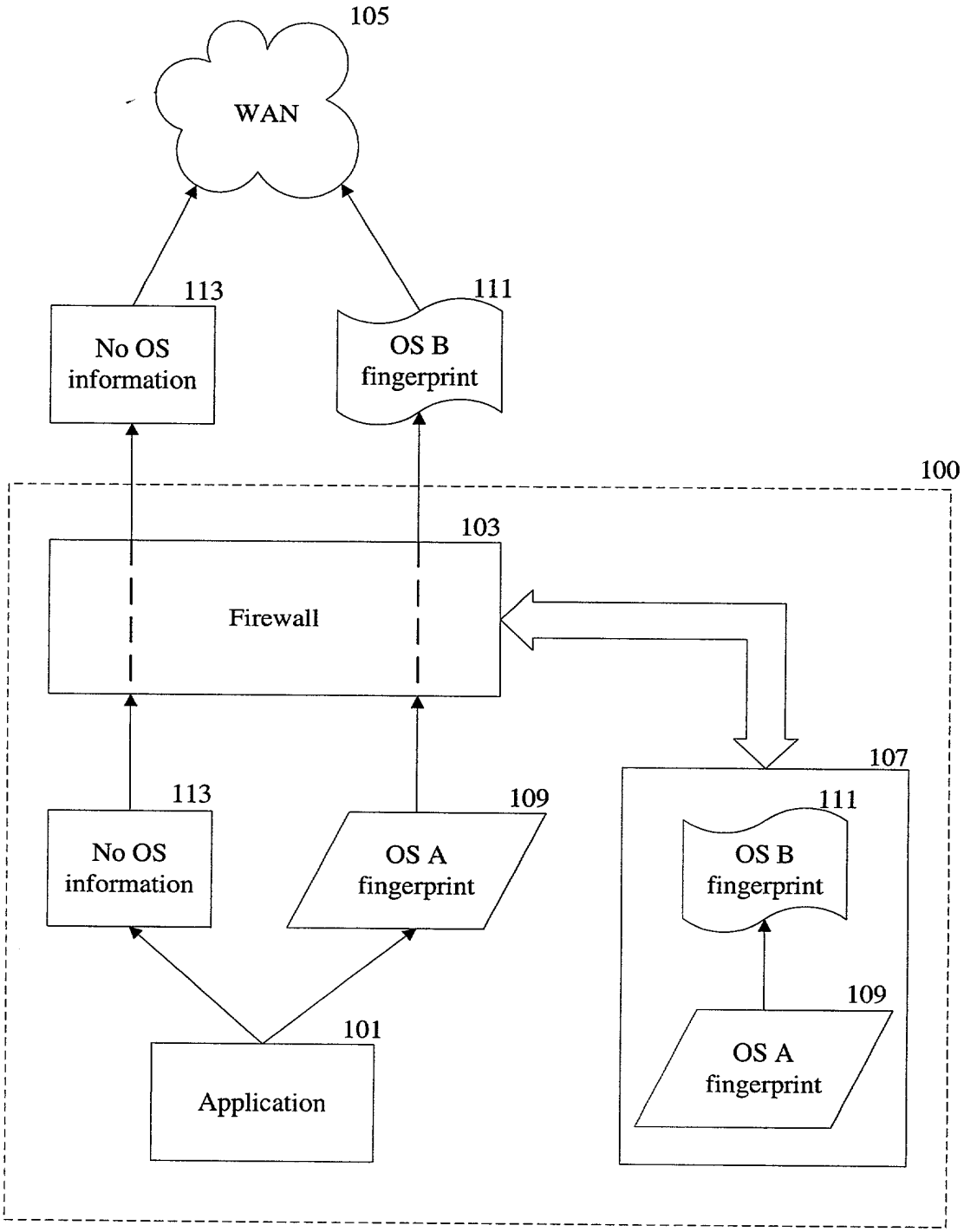
105
WAN
113
No OS information
111
OS B fingerprint
100
103
Firewall
107
113
No OS information
109
OS A fingerprint
111
OS B fingerprint
109
OS A fingerprint
101
Application

Figure 1

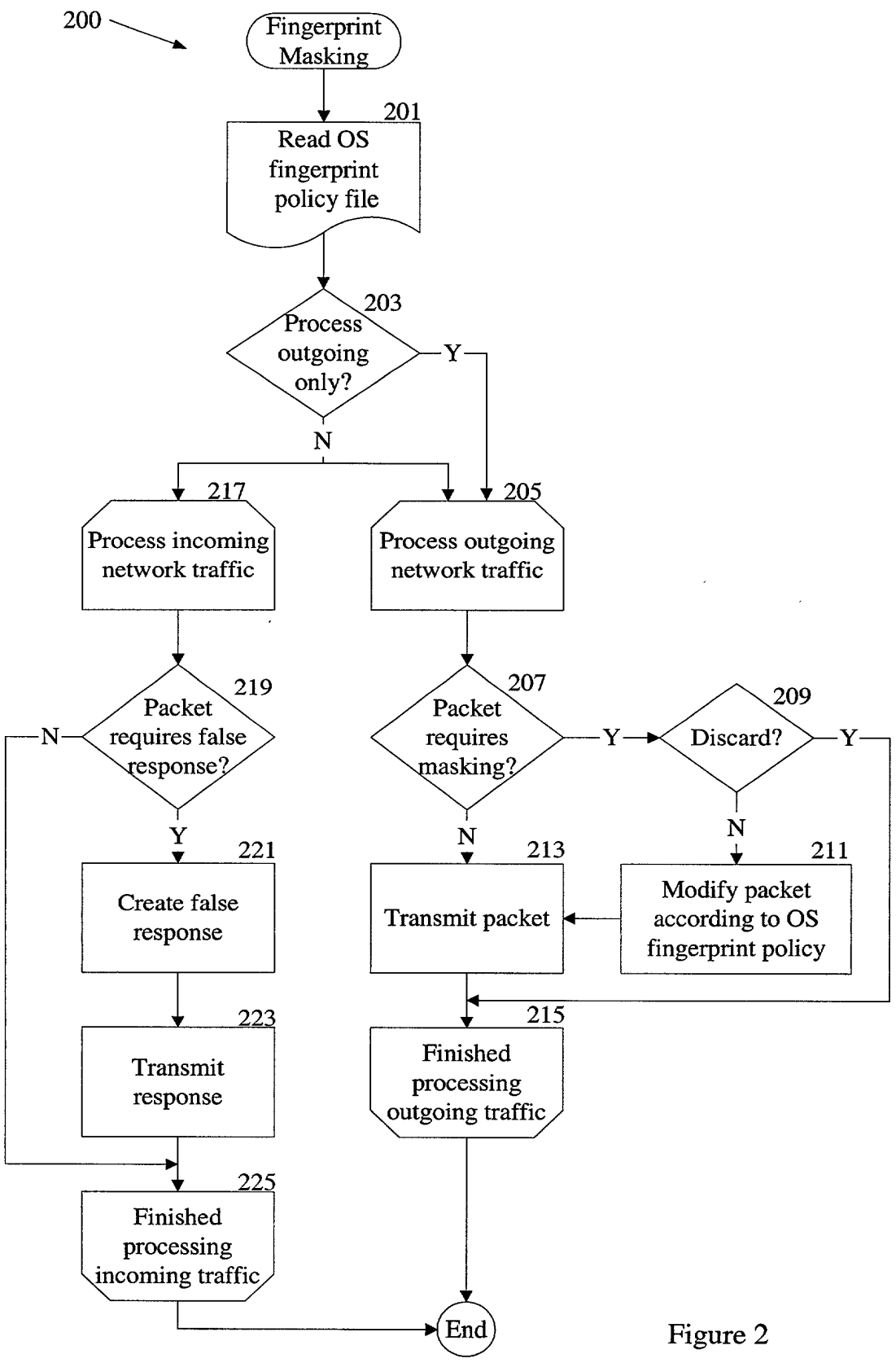
200
Fingerprint Masking
201
Read OS fingerprint policy file
203
Process outgoing only?
Y
N
217
Process incoming network traffic
205
Process outgoing network traffic
219
Packet requires false response?
N
Y
207
Packet requires masking?
Y
N
209
Discard?
Y
N
221
Create false response
213
Transmit packet
211
Modify packet according to OS fingerprint policy
223
Transmit response
215
Finished processing outgoing traffic
225
Finished processing incoming traffic
End

Figure 2

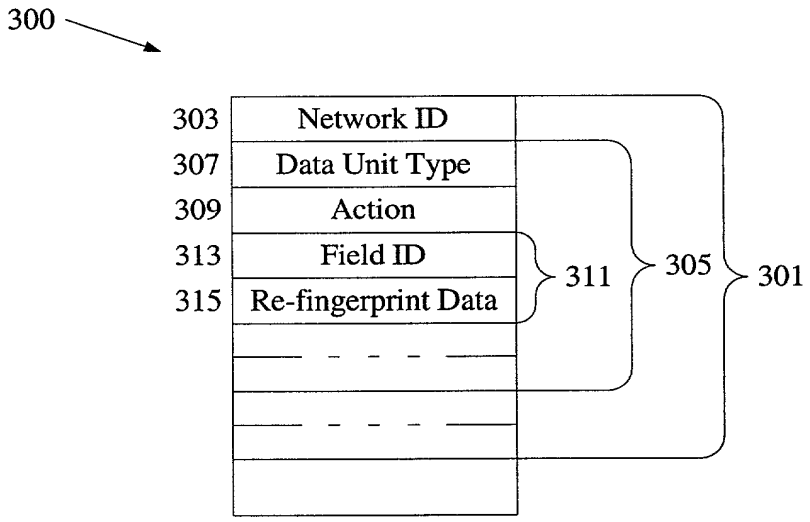
300
303
Network ID
307
Data Unit Type
309
Action
313
Field ID
315
Re-fingerprint Data
311
305
301

Figure 3

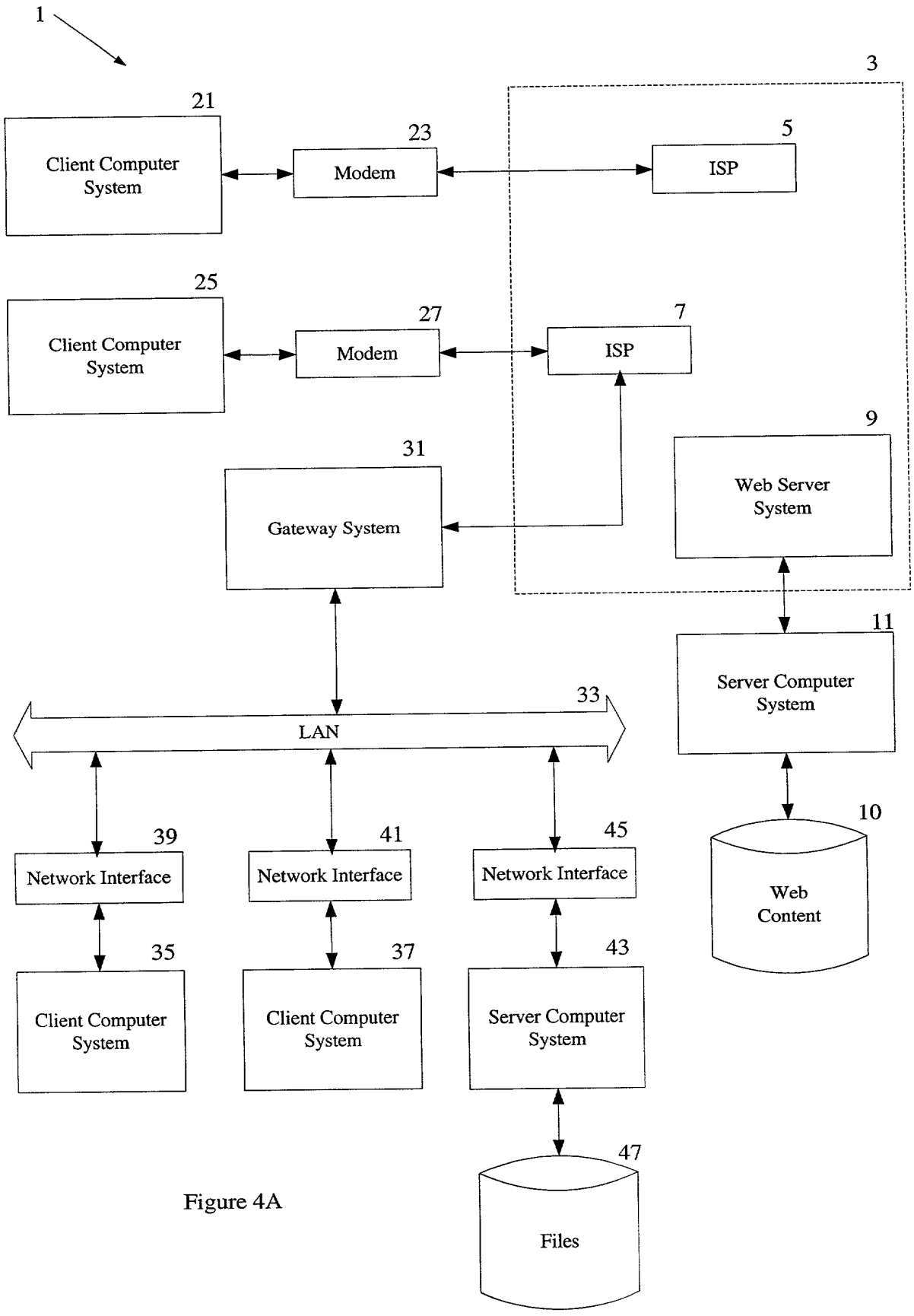
1
3
21
Client Computer System
23
Modem
5
ISP
25
Client Computer System
27
Modem
7
ISP
9
Web Server System
31
Gateway System
11
Server Computer System
33
LAN
10
Web Content
39
Network Interface
41
Network Interface
45
Network Interface
35
Client Computer System
37
Client Computer System
43
Server Computer System
47
Files

Figure 4A

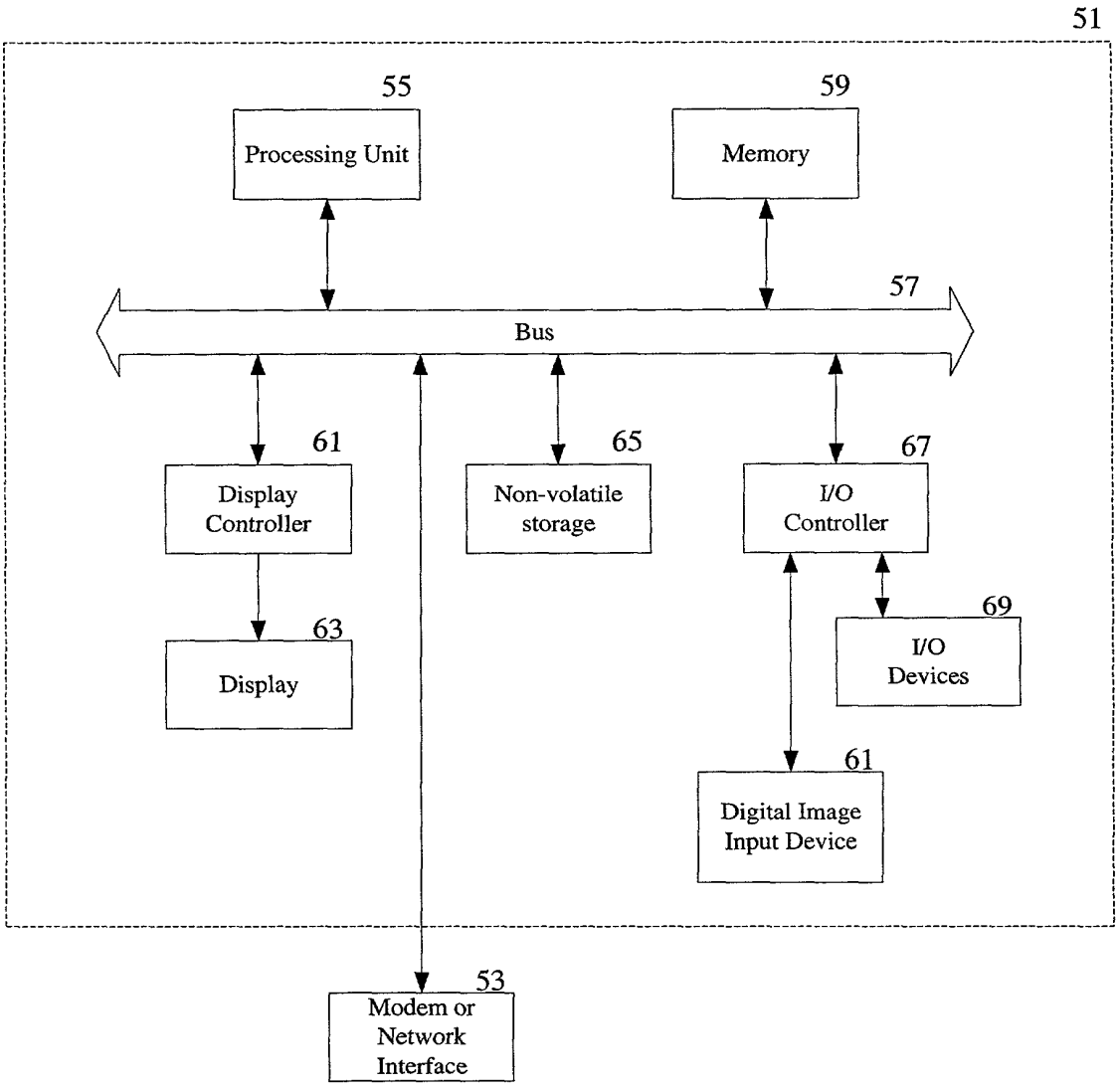
51
55
Processing Unit
59
Memory
57
Bus
61
Display Controller
63
Display
65
Non-volatile storage
67
I/O Controller
69
I/O Devices
61
Digital Image Input Device
53
Modem or Network Interface

Figure 4B